



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D3637-041**  
**Job Sheet 196350**



**Part No:** D3637-041

**Job Qty:** 10 pcs

**Part Name:** Bracket Assembly



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 6/12/19

**Job Tracking No:**

**Due Date:** 7/12/19

**Created By:** Marie Lajeunesse

**Type:** Stock

**Description:**

**Note:** DWG REV B IPP Rev:A New Issue 07-07-20 JLM Verified By:EC IPP Rev:B change to REV.B as per dwg 08-02-11 DD verified by:ec

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation           | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|---------------------|--------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                     |        |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 100   | Waterjet - Flow - 1 | 10 pcs | 7/12/19    | 7/12/19  | 0.17      | 0.69    | Waterjet - Flow       | 7/18/19   | JRB      |
| 110   | QC 2                | 10 pcs | 7/12/19    | 7/12/19  | 0.00      | 0.00    | QC 2 - 1              |           |          |
|       |                     |        |            |          |           |         | QC 2 - 12             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 14             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 17             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 19             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 2              |           |          |
|       |                     |        |            |          |           |         | QC 2 - 20             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 22             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 23             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 25             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 32             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 33             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 35             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 39             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 4              |           |          |
|       |                     |        |            |          |           |         | QC 2 - 40             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 44             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 45             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 48             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 49             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 50             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 51             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 52             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 57             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 62             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 63             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 8              |           |          |
|       |                     |        |            |          |           |         | QC 2 - 66             |           |          |
|       |                     |        |            |          |           |         | QC 2 - 64             |           |          |

*Rush!!!*

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|                                |           |         |           |                             |                  |
|--------------------------------|-----------|---------|-----------|-----------------------------|------------------|
| 120 QC 8                       | 10<br>pcs | 7/12/19 | 0.00 0.00 | QC 2 - 65                   |                  |
|                                |           |         |           | QC 2 - 5                    |                  |
|                                |           |         |           | QC 2 - 71                   |                  |
|                                |           |         |           | QC 2 - 73                   |                  |
|                                |           |         |           | QC 2 - 69                   | JRB 7/15/19      |
|                                |           |         |           | QC 8 - 12                   |                  |
|                                |           |         |           | QC 8 - 14                   |                  |
|                                |           |         |           | QC 8 - 17                   |                  |
|                                |           |         |           | QC 8 - 20                   |                  |
|                                |           |         |           | QC 8 - 25                   |                  |
|                                |           |         |           | QC 8 - 3                    |                  |
|                                |           |         |           | QC 8 - 32                   |                  |
|                                |           |         |           | QC 8 - 33                   |                  |
|                                |           |         |           | QC 8 - 35                   |                  |
|                                |           |         |           | QC 8 - 39                   |                  |
|                                |           |         |           | QC 8 - 4                    |                  |
|                                |           |         |           | QC 8 - 44                   |                  |
|                                |           |         |           | QC 8 - 45                   |                  |
|                                |           |         |           | QC 8 - 49                   |                  |
|                                |           |         |           | QC 8 - 58                   |                  |
|                                |           |         |           | QC 8 - 8                    |                  |
|                                |           |         |           | QC 8 - 9                    |                  |
|                                |           |         |           | QC 8 - 68                   |                  |
|                                |           |         |           | QC 8 - 67                   |                  |
|                                |           |         |           | QC 8 - 1 (A)                |                  |
|                                |           |         |           | QC 8 - 47                   | DAS 40           |
|                                |           |         |           | QC 8 - 40                   | JUL 18 2019 9-89 |
|                                |           |         |           | QC 8 - 52                   |                  |
|                                |           |         |           | QC 8 - 23                   |                  |
|                                |           |         |           | QC 8 - 57                   |                  |
| 130 Small Fab - Brake NC - B4B | 10<br>pcs | 7/12/19 | 0.25 0.68 | Small Fab - Brake - 1 - B4B | Smb 30           |
|                                |           |         |           | Small Fab - Brake - 2 - B4B | 19/1/22          |
|                                |           |         |           | Small Fab - Brake - 3 - B4B |                  |
| 140 Small Fab - 2 - B4B        | 10<br>pcs | 7/12/19 | 0.00 2.11 | Small Fab - 1 - B4B         |                  |
|                                |           |         |           | Small Fab - 2 - B4B         |                  |
|                                |           |         |           | Small Fab - 3 - B4B         |                  |
|                                |           |         |           | Small Fab - 4 - B4B         | JUL 23 2019      |
|                                |           |         |           | Small Fab - 5 - B4B         |                  |
|                                |           |         |           | Small Fab - 6 - B4B         |                  |
|                                |           |         |           | Small Fab - 7 - B4B         |                  |
| 150 QC 5                       | 10<br>pcs | 7/12/19 | 0.00 0.00 | QC 5 - 10                   |                  |
|                                |           |         |           | QC 5 - 12                   |                  |
|                                |           |         |           | QC 5 - 17                   |                  |
|                                |           |         |           | QC 5 - 18                   |                  |
|                                |           |         |           | QC 5 - 19                   |                  |
|                                |           |         |           | QC 5 - 22                   |                  |
|                                |           |         |           | QC 5 - 24                   |                  |
|                                |           |         |           | QC 5 - 3                    |                  |
|                                |           |         |           | QC 5 - 43                   |                  |
|                                |           |         |           | QC 5 - 49                   | DAS 61           |
|                                |           |         |           | QC 5 - 51                   | 9-89             |
|                                |           |         |           | QC 5 - 58                   |                  |
|                                |           |         |           | QC 5 - 68                   |                  |
|                                |           |         |           | QC 5 - 9                    |                  |
|                                |           |         |           | QC 5 - 50                   |                  |
|                                |           |         |           | QC 5 - 30                   |                  |
|                                |           |         |           | QC 5 - 40                   |                  |

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|                                 |        |         |           |                        |                   |
|---------------------------------|--------|---------|-----------|------------------------|-------------------|
| 160 Packaging 3-1 - Stock - B4B | 10 pcs | 7/12/19 | 0.00 0.00 | Packaging 3 - 1 - B4B  |                   |
|                                 |        |         |           | Packaging 3 - 2 - B4B  |                   |
|                                 |        |         |           | Packaging 3 - 3 - B4B  |                   |
|                                 |        |         |           | Packaging 3 - 4 - B4B  |                   |
|                                 |        |         |           | Packaging 3 - 5 - B4B  | DAS<br>28<br>9-89 |
|                                 |        |         |           | Packaging 3 - 6 - B4B  |                   |
|                                 |        |         |           | Packaging 3 - 7 - B4B  |                   |
|                                 |        |         |           | Packaging 3 - 8 - B4B  |                   |
|                                 |        |         |           | Packaging 3 - 9 - B4B  |                   |
|                                 |        |         |           | Packaging 3 - 10 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 11 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 12 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 13 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 14 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 15 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 16 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 17 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 18 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 19 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 20 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 21 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 22 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 23 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 24 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 25 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 26 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 27 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 28 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 29 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 30 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 31 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 32 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 33 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 34 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 35 - B4B |                   |
|                                 |        |         |           | Packaging 3 - 36 - B4B |                   |
| 170 QC 21 - SA                  | 10 pcs | 7/12/19 | 0.00 0.00 | QC 21 - SA - 21        | DAS<br>21<br>9-89 |
|                                 |        |         |           | QC 21 - SA - 70        |                   |
|                                 |        |         |           | QC 21 - SA - 53        |                   |

Part Op 110 - (QC2- Inspect parts off machine FAI/FAIB)  
 Descriptions: 120 - (QC8- Inspect parts - second check)  
 130 - (Form as per dwg)  
 140 - (Small Fab)  
 150 - (QC5- Inspect part completeness to step on W/O)  
 160 - (Identify as per dwg & Stock Location: \_\_\_\_\_)  
 170 - (QC21- Final Inspection - Work Order Release)

### Job BOM

| Part / Item  | Component Name   | Quantity          | Operation               | Container |
|--------------|------------------|-------------------|-------------------------|-----------|
| M304S14GA    | 304SS sheet .080 | .9000 sf (.09 ea) | 100-Waterjet - Flow - 1 | 5155921   |
| MS20426AD3-3 | Rivet            | 24 Ea (2 ea)      | 140-Small Fab - 2 - B4B | 8174201   |
| MS21059L4    | Nutplate         | 12 Ea (1 ea)      | 140-Small Fab - 2 - B4B | 8193126   |

### Job Allocations

| Operation               | Component Part | Required | Inventory | Allocated |
|-------------------------|----------------|----------|-----------|-----------|
| 100-Waterjet - Flow - 1 | M304S14GA      | 1        | 51        | 0         |
| 140-Small Fab - 2 - B4B | MS20426AD3-3   | 20       | 7,285     | 0         |
|                         | MS21059L4      | 10       | 37        | 0         |

**Part Specifications**

Specifications could not be found.

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Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div> |  |                        |  |
| Date : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Sequence #: _____                                                                                                                 | QTY Affected : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | MRB (QSI042)           |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Completed By           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | QC / QA Coordinator    |  |
| <b>Root Cause</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Operator <input type="checkbox"/><br/>           Manufacturing Process <input type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Preservation <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Human Factors <input type="checkbox"/> </div> <div> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |                                                                                                                                   | Other/Details: _____<br><br>_____<br><br>_____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                        |  |



Container No: S199014



Part: D3637-041

Job No: 196350

Serial No/Batch: S199014

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.

1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA

TEL: 1 813 832-8200

Email: sales@dartaero.com

www.dartaerospace.com

Date: 07/18/19